% by weight	Structure
10,0%	$C_{10}H_{21}$ $\longrightarrow$ $-OC_8H_{17}$
10,0%	C <sub>8</sub> H <sub>17</sub> OC <sub>10</sub> H <sub>21</sub>
8,0%	C <sub>8</sub> H <sub>17</sub> — OC <sub>6</sub> H <sub>13</sub>
8,0%	C <sub>9</sub> H <sub>19</sub> OC <sub>6</sub> H <sub>13</sub>
10,0%	$C_gH_{1g}$ $OC_gH_{17}$
10,0%	$C_{10}H_{21}$ $O$ $C_{7}H_{15}$
21,0%	$C_{11}H_{23}$ $C_{5}H_{11}$
10,0%	C <sub>8</sub> H <sub>17</sub> O O C <sub>8</sub> H <sub>17</sub>
10,0%	C <sub>8</sub> H <sub>13</sub> —  O  C <sub>5</sub> H <sub>11</sub>
3,0%	N - C <sub>8</sub> H <sub>17</sub>

has the phase transition values I / N\* 90.0-87.2 and N\* / Sc\* 65.1°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1): 30/27/25/25.

### Example 6

5 A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

$$C_{10}H_{21}$$
  $C_{5}H_{11}$ 

has the phase transitions I / N\* 94.9-92.2 and N\* / Sc\* 65.7°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 33.8 / 30 / 27.5 / 26.3.

### Example 7

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

15

has the phase transitions I / N\* 89.7-87.5 and N\* / Sc\* 66.3°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 27.5 / 25 / 22.5 / 20.

# 20 Example 8

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

has the phase transitions I / N\* 93.9-91.1 and N\* / Sc\* 67.6°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 27.5 / 25 / 25.

# Example 9

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

has the phase transitions I / N\* 92.1-89.6 and N\* / Sc\* 63.1°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 26.3 / 23.8 / 22.5 /20

## Example 11

5 A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

10 has the phase transitions I / N\* 89.1-86.7 and N\* / Sc\* 61.4°C and the values DT (15,1) / DT (20,1) / DT (25.1) / DT (30.1) 27.5 / 26.3 / 22.5 / 21.3.

## Example 12

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

has the phase transitions I / N\* 98.0-94.2 and N\* / Sc\* 71.7°C and the values: DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 32.5 / 31.3 / 32.5 / 30.

## 20 **Example 13**

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound

has the phase transitions I / N\* 89.5-87.2 and N\* / Sc\* 69.7°C and the values DT (15,1) / DT (20,1) / DT (25,1) / DT (30,1) 42.5 / 40 /35.5 / 32.

#### Example 14

A mixture consisting of 85% of the mixture of Example 5 and 15% of the compound